

Basic Diagnostic Procedure

CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

	Step	Check	Yes	No
1	<p>CHECK PRE-INSPECTION.</p> <p>1) Ask the customer when and how the trouble occurred using the interview check list. <Ref. to CVT(diag)-4, Check List for Interview.></p> <p>2) Before performing diagnostics, check the following items which might affect CVT problems.</p> <ul style="list-style-type: none"> • General inspection <Ref. to CVT(diag)-5, INSPECTION, General Description.> • Disconnection of harness connector • Visual check for harness damage • Oil leakage • Stall speed test <Ref. to CVT-45, Stall Test.> • Secondary pressure test <Ref. to CVT-47, Secondary Pressure (Line Pressure) Test.> • Transfer clutch pressure test <Ref. to CVT-50, Transfer Clutch Pressure Test.> • Time lag test <Ref. to CVT-46, Time Lag Test.> • Road test <Ref. to CVT-44, Road Test.> • Inhibitor switch <Ref. to CVT-90, Inhibitor Switch.> 	Is the item that is thought to influence the CVT problem working properly?	Go to step 2.	Repair the items which may be affecting the CVT trouble.
2	<p>CHECK AT OIL TEMP LIGHT.</p> <p>Turn the ignition switch to ON and wait for at least 2 seconds.</p>	Does the AT OIL TEMP light illuminate?	Go to step 3.	Check the AT OIL TEMP light.
3	<p>CHECK AT OIL TEMP LIGHT.</p> <p>Start the engine and wait for 2 seconds or more.</p>	Does the AT OIL TEMP light blink?	Go to step 4.	Go to step 6.
4	<p>CHECK FOR ANY OTHER DTC ON DISPLAY.</p> <p>Read the DTC.</p> <p>NOTE: If the communication function of Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to CVT(diag)-27, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure for Subaru Select Monitor Communication.></p>	Is DTC displayed on Subaru Select Monitor?	Record all DTC. Go to step 5.	Go to step 6.
5	<p>CHECK FREEZE FRAME DATA.</p> <p>Using the Subaru Select Monitor, check the Freeze Frame Data.</p>	Are freeze frame data recorded?	Record the freeze frame data. Go to step 7.	Go to step 7.
6	<p>PERFORM GENERAL DIAGNOSTICS.</p> <p>1) Inspect using "Diagnostic Procedure without Diagnostic Trouble Code (DTC)". <Ref. to CVT(diag)-84, Diagnostic Procedure without Diagnostic Trouble Code (DTC).></p> <p>2) Inspect using "Diagnostics with Phenomenon". <Ref. to CVT(diag)-85, Diagnostics with Phenomenon.></p> <p>3) Perform the Inspection Mode. <Ref. to CVT(diag)-20, Inspection Mode.></p> <p>4) Read the DTC.</p>	Is DTC displayed on Subaru Select Monitor?	Go to step 7.	Finish the diagnosis.

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7	<p>PERFORM DIAGNOSIS.</p> <p>1) Inspect by referring to “Diagnostic Procedure with Diagnostic Trouble Code (DTC)”. <Ref. to CVT(diag)-32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p>NOTE: For the DTC table, refer to “List of Diagnostic Trouble Code (DTC)”. <Ref. to CVT(diag)-29, List of Diagnostic Trouble Code (DTC).></p> <p>2) Repair the trouble cause.</p> <p>3) Perform the Clear Memory Mode.</p> <p>4) Perform the Inspection Mode. <Ref. to CVT(diag)-20, Inspection Mode.></p> <p>5) Read the DTC.</p>	Is DTC displayed on Subaru Select Monitor?	Inspect by referring to “Diagnostic Procedure with Diagnostic Trouble Code (DTC)”. <Ref. to CVT(diag)-32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Finish the diagnosis.